

# EX26484 V2 Series

Managed 48-port Gigabit PoE and 4-port 1G/10G SFP+ Ethernet Switch



## Overview

EtherWAN's EX26484 series is a managed 52-port PoE Ethernet switch platform. Equipped with 48 gigabit PoE ports along with a high total PoE power budget of 450W or 860W and 4 10-gigabit SFP+ ports, the EX26484 series provides flexibility, speed, and reliability for networks in urban infrastructure, security, and other areas where connectivity is crucial.

EtherWAN — "When Connectivity is Crucial."

## Highlights

### + High Bandwidth and Versatility

- 48 10/100/1000BASE-T(X) ports for high bandwidth connections
- 4 10 Gigabit fiber connections
- Full capacity switching running at full duplex

### + High Power PoE Power Budget

- Maximum PoE power budget of up to 860W
- Provides up to 30W per port for PTZ cameras and other high power devices

### + Management/Security Features

- PoE watchdog monitors status of connected PoE devices
- 802.1x port-based network access control and remote authentication through RADIUS and TACACS+
- Port control and security

### + Support

- Complimentary technical support
- Free firmware upgrades

## Features

### + Interface

CLI, Telnet and Web Browser SNMP v1/v2c/v3

### + Management

Firmware and configuration upgrade and backup via TFTP  
Supports DHCP Server/Client  
RMON (Remote Monitoring): group 1, 2, 3, 9  
Port mirroring: TX/RX and both  
NTP (Network Time Protocol) Time Synchronization  
IEEE 802.1ab LLDP (Link Layer Discovery Protocol)  
IPv4/IPv6  
PoE Watchdog  
Virtual Stacking

### + Security

MAC Address Filtering  
Enable/Disable Port  
Storm Control (Broadcast and Multicast Types)  
IEEE802.1x LAN Access Control  
Remote Authentication through RADIUS & TACACS+  
SSH for CLI and Telnet Security  
SSL for Web Security  
System Log  
ACL

### + Quality of Service (QoS)

Priority Queues: 8 Queues per Port  
Traffic Classification Based on IEEE802.1p CoS, DSCP, WRR, and Strict Mode  
Rate Limiting (Ingress/Egress)

### + Layer 2 Features

#### Flow Control

IEEE802.3x full duplex mode  
Back-Pressure half duplex mode

#### Redundant Protocol

IEEE802.1D Spanning Tree Protocol (STP)  
IEEE802.1w Rapid Spanning Tree Protocol (RSTP)  
IEEE802.1s Multiple Spanning Tree Protocol (MSTP)

#### VLANs

Supports up to 4K VLANs simultaneously (128 groups, 4096 VID)  
Port-based VLAN  
IEEE 802.1Q tag-based VLAN (128 groups, 4096 VID)  
Voice VLAN

#### Link Aggregation

Static trunk (13 groups, 4 ports per group)  
IEEE802.3ad Link Aggregation Control Protocol

#### IGMP Snooping

IGMP snooping v1/v2/v3  
Supports 1024 multicast groups

### + Layer 3 Features

IPv4 Unicast: Static routing  
IPv6 Unicast: Static routing

# Specifications

## + Technology

### Standards

IEEE 802.3 10BASE-T  
IEEE 802.3u 100BASE-T  
IEEE 802.3ab 1000BASE-T  
IEEE 802.3e 10GBASE  
IEEE 802.3ad LACP  
IEEE 802.3af PoE  
IEEE 802.3at PoE+  
IEEE 802.3x Full duplex and flow control  
IEEE 802.1D STP  
IEEE 802.1p QoS  
IEEE 802.1Q Tag VLANs  
IEEE 802.1s MSTP  
IEEE 802.1w RSTP  
IEEE 802.1x Port-based Network Access Control  
IEEE 802.1ab LLDP  
G.0832 ERPS

### Forward/Filtering Rate

14,800pps for 10Mbps  
148,810pps for 100Mbps  
1,488,100pps for 1000Mbps  
14,881,000pps for 10gbps

### Packet Buffer Memory

32M Bits

### Processing Type

Store-and-forward  
Auto-negotiation  
Half-duplex back-pressure and full-duplex flow control and IEEE 802.3x full-duplex flow control  
Auto MDI/MDIX

### Address Table Size

32K MAC Addresses

### Switching Fabric

176Gbps

### Forwarding Rate

130.94Mpps

### Jumbo Framze Size

9.6KB

## + Interface

### Ethernet

10/100/1000BASE-T(X): 48 ports  
1G/10G SFP+: 4 ports

### Console

1 x RJ45

### LED Indicators

Per Unit: Power  
Per Port: Link/Activity, PoE

## + Power

### Input

100-240VAC

### Power Consumption

37W Max (without PoE) w/ PoE power budget of 450/860W  
up to 30W/port Poe power output

## + Physical

### Casing Material

Aluminum

### Dimensions

EX26484: 440 x 330 x 44mm (W x D x H)

(17.3" x 12.99" x 1.73")

EX26484-920: 440 x 380 x 44mm

(17.3" x 14.96" x 1.73")

### Weight

5.5kg (12.1lbs)

### Installation Type

Rack Mounting

## + Environmental

**Operating Temp.**  
0 to 50°C (32 to 122°F)

**Storage Temp.**  
-10 to 70°C (-10 to 158°F)

**Relative Humidity**  
10% to 90% (non-condensing)

## + Regulatory

**ISO**  
Manufactured in ISO-9001 facility

**EMI**  
FCC Part 15B  
VCCI Class A  
CE Mark Class A

**Safety**  
UL 62368-1

## + Warranty

**Length**  
3 Years

**Details**  
[www.etherwan.com/support/warranty-policy](http://www.etherwan.com/support/warranty-policy)

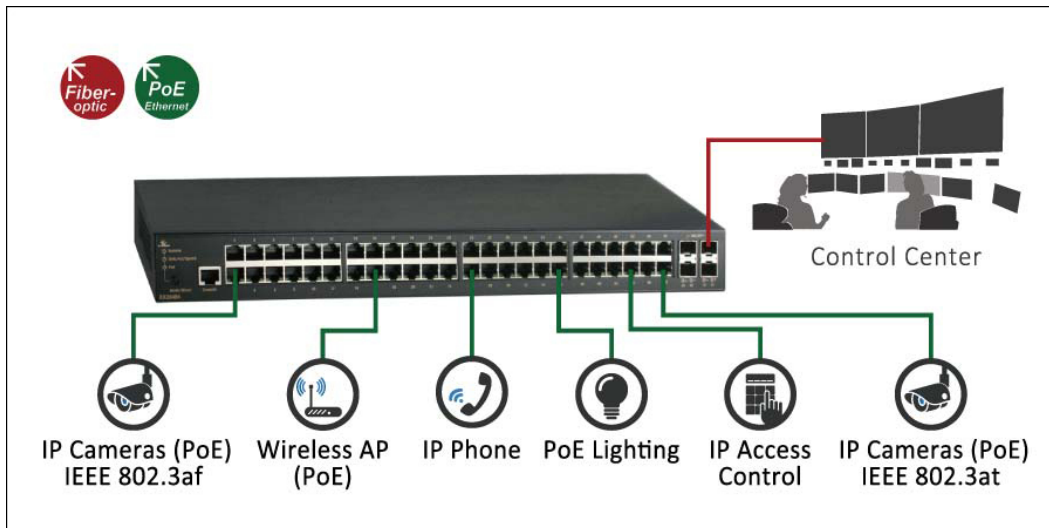
## + What's Included

**Device**  
Ethernet Switch

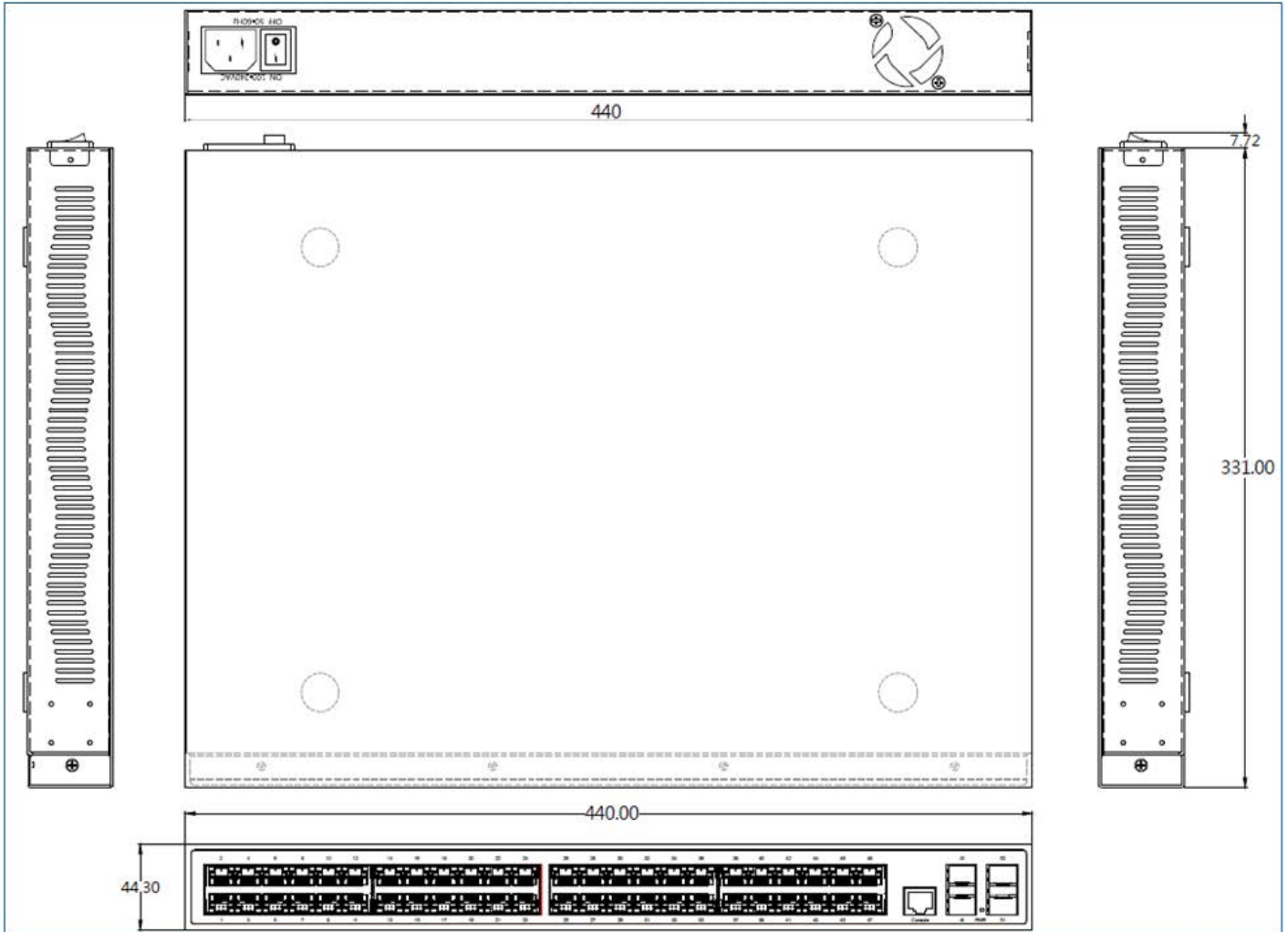
**Accessories**  
AC Power Cord  
Rack Mounting Kit

**Documentation**  
Quick install guide

## Application



## Dimensions



## Ordering Info

### + Model

EX26484	48-Port 10/100/1000BASE PoE + 4-Port 1G/10G SFP+ Managed Ethernet Switch, 450W Power Budget
EX26484-920	48-Port 10/100/1000BASE PoE + 4-Port 1G/10G SFP+ Managed Ethernet Switch, 860W Power Budget

\* Rack mounting kit included.



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